

Project Design Phase-I

Problem - Solution Fit

Date	07 November 2022
Team ID	PNT2022TMID27707
Project Name	Real-Time Communication System Powered by AI for Specially Abled
Maximum Marks	2 Marks

Problem - Solution Fit

The Problem-Solution Fit simply means that we have found a problem with our customer and that the solution we have realized for it actually solves the customer's problem. It helps entrepreneurs, marketers and corporate innovators identify behavioral patterns and recognize what would work and why.

Purpose:

- Solve complex problems in a way that fits the state of our customers.
- Succeed faster and increase our solution adoption by tapping into existing mediums and channels of behavior.
- Sharpen our communication and marketing strategy with the right triggers and messaging.
- Increase touch-points with our company by finding the right problem behavior fit and building trust by solving frequent annoyances, or urgent or costly problems.
- Understand the existing situation in order to improve it for our target group.

Project Design Phase-I - Solution Fit

Project Title: Real-Time Communication System Powered by AI for Specially Abled

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Define CS, fit into	1. CUSTOMER SEGMENT(S) CS <ul style="list-style-type: none"> Deaf and Dumb Peoples, Specially Abled Persons, Normal People who wants to communicate with the Deaf and Dumb people. 	6. CUSTOMER CONSTRAINTS CC <ul style="list-style-type: none"> They can only communicate with the people who knows sign language 	5. AVAILABLE SOLUTIONS AS <ul style="list-style-type: none"> Text to Speech Service Online Assistants such as Google assistants , Siri etc.. 	Explore AS, differentiate
Focus on J&P, tap into BE, understand RC	2. JOBS-TO-BE-DONE / PROBLEMS J&P <p>Unable to communicate/ express their thoughts and feelings to other peoples.</p>	9. PROBLEM ROOT CAUSE RC <p>Normal people unable to understand what the specially abled person tried to convey through sign language</p>	7. BEHAVIOUR BE <p>Recognition of Sign Language and accurate conversion in real- time for hassle free communication</p>	Focus on J&P, tap into BE, understand RC
Identify strong TR & EM	3. TRIGGERS TR <ul style="list-style-type: none"> Advertising and creating awareness through Social Media, Television etc.. Lack of communication with other people will break their moral strength 	10. YOUR SOLUTION SL <p>Creating an application for specially abled person which converts Sign Language to Speech and Vice versa, which helps the person to express their thoughts and feelings to others.</p>	8.CHANNELS of BEHAVIOUR CH <p>8.1 ONLINE The Specially abled person can use text to speech translation or vice - versa.</p> <p>8.2 OFFLINE People can apply for Sign language course to communicate to the specially Disabled People.</p>	Identify strong TR & EM
	4. EMOTIONS: BEFORE / AFTER EM <p>Before using the application, they worried about communicating with others because the other person don't understand the sign language</p> <p>After using the application they can use sign Language for communication which is then converted to Human Understandable</p>			